

Title (en)

METHOD FOR ASSESSING DIFFERENTIATION STATE OF CELLS AND GELATIN NANOPARTICLES

Title (de)

VERFAHREN ZUR BEURTEILUNG DES DIFFERENZIERUNGSZUSTANDS VON ZELLEN UND GELATINENANOPARTIKELN

Title (fr)

PROCÉDÉ D'ÉVALUATION DE L'ÉTAT DE DIFFÉRENCIATION DE CELLULES ET DE NANOPARTICULES DE GÉLATINE

Publication

EP 3992301 A4 20220720 (EN)

Application

EP 19935362 A 20190628

Priority

JP 2019025952 W 20190628

Abstract (en)

[origin: EP3992301A1] The purpose of the present invention is to provide: a method which is for assessing the differentiation state of cells and by which the differentiation state of a wide variety of cells can be assessed; and gelatin nanoparticles which can be used in said method. The purpose is achieved by a method for assessing the differentiation state of cells, the method comprising a step for observing the expression of pyruvate dehydrogenase kinase 1 (PDK1) or mRNA (Pdkl) encoding pyruvate dehydrogenase kinase 1 in cells. Said method can be carried out by using gelatin nanoparticles which are used for assessing the differentiation state of cells and carry a probe capable of detecting Pdkl or PDK1.

IPC 8 full level

C12Q 1/6813 (2018.01); **C12Q 1/32** (2006.01); **G01N 33/50** (2006.01); **G01N 33/543** (2006.01); **G01N 33/58** (2006.01)

CPC (source: EP US)

C12Q 1/32 (2013.01 - EP US); **C12Q 1/6813** (2013.01 - EP); **C12Q 1/6881** (2013.01 - EP US); **G01N 33/5091** (2013.01 - EP); **G01N 33/54346** (2013.01 - EP US); **G01N 33/587** (2013.01 - EP US); **C12Q 2600/158** (2013.01 - EP US); **G01N 2333/912** (2013.01 - EP US)

C-Set (source: EP)

C12Q 1/6813 + **C12Q 2525/301** + **C12Q 2563/155**

Citation (search report)

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- [A] MURATA YUKI ET AL: "Preparation of cationized gelatin nanospheres incorporating molecular beacon to visualize cell apoptosis", SCIENTIFIC REPORTS, vol. 8, no. 1, 4 October 2018 (2018-10-04), XP055778242, Retrieved from the Internet <URL:http://www.nature.com/articles/s41598-018-33231-2> DOI: 10.1038/s41598-018-33231-2
- See references of WO 2020261569A1

Designated contracting state (EPC)

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BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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